



INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

414-23747-US

SERIAL NO.

10/045,263

APPLICANT

Xiao Ming Tang et al.

FILING DATE

November 7, 2001

GROUP

N/A

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RL	AA	4,932,003	06/05/90	Winbow et al.	367	75	05/19/82
	AB	5,027,331	06/25/91	Winbow et al.	367	75	03/20/90
	AC	5,831,934	11/03/98	Gill et al.	367	25	07/24/97
	AD	5,852,262	12/22/98	Gill et al.	181	106	09/28/95
Q	AE	5,936,913	08/10/99	Gill et al.	367	25	07/24/97
	AF						
	AG						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO	
	AH							
	AI							
	AJ							

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

A	AK	S. T. Chen; <i>Shear-wave logging with quadrupole sources</i> , Geophysics, Vol. 54, No. 5, (May 1989), pp. 590-594, 14 Figures.						
B	AL	Andrew L. Kurkjian et al.; <i>Acoustic multipole sources in fluid-filled boreholes</i> , Geophysics, Vol. 51, No. 1, (January 1986), p. 148 163, 24 Figures, 3 Tables.						
	AM							

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DATE CONSIDERED

7/29/04

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N/A / 2279

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO	
	AH							
	AI							
	AJ							

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

<i>Ar</i>	AK	V. N. Rama Rao et al., <i>Models in LWD Applications</i> , MIT Earth Resources Laboratory Annual Report, 1999, pp. 5-1 to 5-14.						
	AL							
	AM							

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GROUP / CONFIRMATION

2635 / 2279

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A	AA	4,685,091	08/04/87	Chung et al.	367	31	05/10/84
	AB	5,796,677	08/18/98	Kostek et al.	367	25	04/20/94
	AC	5,852,587	12/22/98	Kostek et al.	367	25	02/20/92
	AD						
	AE						
	AF						
	AG						

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AH							
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	AJ							

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

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November 7, 2001	N/A / 2279	

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Dr</i>	AA	4,951,267	08/21/90	Chang et al.	367	31	10/15/86
	AB	5,077,697	12/31/91	Chang	367	31	04/20/90
	AC	5,278,805	01/11/94	Kimball	367	32	10/26/92
	AD	5,510,582	04/23/96	Birchak et al.	181	102	03/06/95
	AE	5,971,095	10/26/99	Ozbek	181	112	01/08/97
	AF	6,082,484	07/04/00	Molz et al.	181	102	12/01/98
<i>Dr</i>	AG	6,084,826	07/04/00	Leggett, III	367	82	05/26/98

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		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
<i>Dr</i>	AH	EP0778473 A2	11.06.97	EPO	RECEIVED NOV 14 2003 Technology Center 2600		
	AI						
	AJ						

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

<i>A</i>	AK	Chaur-Jain Hsu et al.; <i>Mandel effects on the dipole flexural mode in a borehole</i> , J. Acoust. Soc. Am. 104 (4), October 1998, pp. 2025-2039, 11 Figs.
<i>Dr</i>	AL	V. N. Rama Rao et al.; <i>Acoustics of fluid-filled boreholes with pipe: Guided propagation and radiation</i> , J. Acoust. Soc. Am. 105 (6), June 1999, pp. 3057-3068, 15 Figs.
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EXAMINER <i>Altz</i>	DATE CONSIDERED <i>7/29/04</i>
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AK	BA	6,366,531	04/02/02	Varsamis et al.	367	36	09/22/98
D	BB	6,552,962	04/22/03	Varsamis et al.	367	25	12/16/99
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	BD						
	BE						
	BF						
	BG						

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